

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method for treating a mental disorder comprising:
parenterally administering to a mammal in need thereof an effective amount of an SMR1-peptide that is sufficient to reduce or eliminate symptoms of the mental disorder, wherein said SMR1-peptide comprises SEQ ID NO: 2.

Claims 2-14 (Cancelled)

Claim 15 (Previously Presented): The method of claim 1, wherein the mental disorder is impaired social activity linked to sexuality.

Claim 16 (Previously Presented): The method of claim 1, wherein the mental disorder is impaired sexual behavior.

Claim 17 (Previously Presented): The method of claim 1, wherein the mental disorder is hypoactive sexual desire disorder.

Claims 18-21 (Cancelled)

Claim 22 (Previously Presented): The method of claim 1, wherein the route of administration is at least one selected from the group consisting of parenteral, intranasal, oral, sublingual, transmucosal, intraspiratory, and through an inert or iontophoretic patch.

Claim 23-50 (Cancelled)

Claim 51 (Currently Amended): A method for treating a mental disorder characterized by impaired social activity linked to sexuality comprising: parenterally administering an effective amount of a peptide comprising SEQ ID NO: 2 to a mammal in need thereof.

Claim 52 (Previously Presented): The method of Claim 51, wherein said mammal has impaired sexual behavior.

Claim 53 (Previously Presented): The method of Claim 51, wherein said mammal has hypoactive sexual desire.

Claim 54 (Previously Presented): The method of Claim 51, wherein said mammal has untimely ejaculation.

Claim 55 (Previously Presented): The method of Claim 51, wherein said peptide consists of SEQ ID NO: 2.

Claim 56 (Previously Presented): The method of Claim 51, wherein said peptide is administered parenterally.

Claim 57 (Previously Presented): The method of Claim 51, wherein said peptide is administered orally.

Claim 58 (Previously Presented): The method of Claim 51, wherein said mammal is human.

Claim 59 (Currently Amended): A method for treating a ~~mental disorder~~ mammal having impaired social activity linked with sexuality comprising:

parenterally administering to said mammal ~~a mammal in need thereof~~ an amount of an SMR 1 peptide ~~[[which]]~~ that comprises SEQ ID NO: 2 effective to increase social behavior linked to sexuality in said mammal compared to a similar mammal to which said SMR1 peptide has not been administered.